

According to directive 1907/2006/EC, 2020/878
Version 2.0 Revision Date: 09-01-2023
Trade name: Oil-based size 12h

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identification:

Product name: Oil-based size 12h

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: Paints and varnishes.

For professional users only.

Uses advised against:

All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Responsible distributor :

ASSYST bvba / A.S.O.W. bvba

Hellegatstraat 13a

2590 Berlaar

Belgium

Tel: +32 495 50 61 14 / +32 496 83 70 27

Website: www.assyst.org / www.artsuppliesonweb.com

Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency Phone Number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is classified according to the applicable legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word

Warning.

Supplementary information:

Substances that contribute to the classification:

- ✓ Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics;
- ✓ Cobalt bis(2-ethylhexanoate)

Hazard statements:

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

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P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria.

Endocrine-disrupting properties:

The product fails to meet the criteria.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Chemical description:

Solution of solute and solvent

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Chemical Name | CAS No. EC No. Index No. Registration number | Classification (Regulation (EC) No 1272/008) | Concentration (%) |
|--|---|---|----------------------|
| Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics ⁽¹⁾ | 64742-48-9 919-857-5 - 01-2119463258-33 | Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H336 EUH066 | 20 - <25 % |
| Cobalt bis(2-ethylhexanoate) ⁽¹⁾ | 136-52-7 205-250-6 - 01-2119524678-29 | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Repr. 1B: H360; Skin Sens. 1A: H317 | 0,1 - <0,25 % |
| Dipropylene Glycol Methyl Ether ⁽²⁾ | 34590-94-8 252-104-2 - 01-2119450011-60 | Not classified | <0,1 % |

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878.

⁽²⁾ Substance with a Union workplace exposure limit.

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest.

In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap.

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In serious cases see a doctor.

If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin.

If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes.

If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product.

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration.

In the case of loss of consciousness do not administer anything orally unless supervised by a doctor.

Rinse out the mouth and throat, as they may have been affected during ingestion.

Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA).

Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies.

Eliminate all sources of ignition.

In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures.

Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task.

Evacuate the area and keep out those without protection.

Personal protection equipment must be used against potential contact with the spilt product (See section 8).

Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium.

Remove any source of ignition.

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Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment.
Keep unprotected persons away.
See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium.
Contain the product absorbed appropriately in hermetically sealed containers.
Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:
Absorb the spillage using sand or inert absorbent and move it to a safe place.
Do not absorb in sawdust or other combustible absorbents.
For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks.
Keep containers hermetically sealed.
Control spills and residues, destroying them with safe methods (section 6).
Avoid leakages from the container.
Maintain order and cleanliness where dangerous products are used.

Technical recommendations for the prevention of fires and explosions:

Transfer in well ventilated areas, preferably through localized extraction.
Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations.
Avoid the existence of dangerous atmospheres inside containers, applying inertisation systems where possible.
Transfer at a slow speed to avoid the creation of electrostatic charges.
Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear.

Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137).

Consult section 10 for conditions and materials that should be avoided.

Technical recommendations on general occupational hygiene:

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks:

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures for storage:

Minimum Temp.: 5°C
Maximum Temp.: 30°C
Maximum time: 6 Months

General conditions for storage:

Avoid sources of heat, radiation, static electricity and contact with food.
For additional information see subsection 10.5.

7.3 Specific end use:

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Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|----------------|---|------------|--------|
| | Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | IOELV (8h) | 50 ppm |
| | IOELV (STEL) | | |

DNEL (Workers):

| Identification | | Short Term Exposure | | Long Term Exposure | |
|---|------------|---------------------|----------------|-----------------------|--------------------------|
| | | Systemic | Local | Systemic | Local |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,2351 mg/m ³ |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 283 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 308 mg/m ³ | Non-applicable |

DNEL (General Population):

| Identification | | Short Term Exposure | | Long Term Exposure | |
|---|------------|---------------------|----------------|------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | Oral | Non-applicable | Non-applicable | 0,175 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | Non-applicable | 0,037 mg/m ³ |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Oral | Non-applicable | Non-applicable | 36 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 121 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 37,2 mg/m ³ | Non-applicable |

PNEC exposure limit values:

| Identification | | | | | |
|---|------------------------|----------------|-----------------------|--------------|--|
| | | | | | |
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | Sewage Treatment Plant | 0,37 mg/L | Fresh Water | 0,00062 mg/L | |
| | Soil | 10,9 mg/kg | Marine Water | 0,00236 mg/L | |
| | Intermittent emissions | Non-applicable | Fresh Water Sediment | 53,8 mg/kg | |
| | Oral | Non-applicable | Marine Water Sediment | 69,8 mg/kg | |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | Sewage Treatment Plant | 4168 mg/L | Fresh Water | 19 mg/L | |
| | Soil | 2,74 mg/kg | Marine Water | 1,9 mg/L | |
| | Intermittent emissions | 190 mg/L | Fresh Water Sediment | 70,2 mg/kg | |
| | Oral | Non-applicable | Marine Water Sediment | 7,02 mg/kg | |

8.2 Exposure controls:

Individual protection measures, such as personal protective equipment:

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer.

For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

Respiratory protection:

Pictogram: Mandatory respiratory tract protection
PPE: Filter mask for gases and vapours
Labelling: CE Cat III
CEN Standard: EN 405:2002+A1:2010

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Remarks: Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

Specific protection for the hands:

Pictogram: Mandatory hand protection
PPE: Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)

Labelling: CE Cat III
CEN Standard: EN ISO 21420:2020

Remarks: Replace the gloves at any sign of deterioration.
As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance with total reliability and has therefore to be checked prior to the application.

Eye and face protection:

Pictogram: Mandatory face protection
PPE: Face shield
Labelling: CE Cat II
CEN Standard: EN 166:2002
EN 167:2002
EN 168:2002
EN ISO 4007:2018

Remarks: Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Body protection:

Pictogram: Mandatory complete body protection
PPE: Disposable clothing for protection against chemical risks, with antistatic and fireproof properties
Labelling: CE Cat III
CEN Standard: EN 1149-1,2,3
EN 13034:2005+A1:2009
EN ISO 13982-1:2004/A1:2010
EN ISO 6529:2013
EN ISO 6530:2005
EN ISO 13688:2013
EN 464:1994

Remarks: For professional use only. Clean periodically according to the manufacturer's instructions.

Pictogram: Mandatory foot protection
PPE: Safety footwear for protection against chemical risk, with antistatic and heat resistant properties

Labelling: CE Cat III
CEN Standard: EN ISO 13287:2020
EN ISO 20345:2011
EN 13832-1:2019

Remarks: Replace boots at any sign of deterioration.

Additional emergency measures:

Emergency shower
Standard: ANSI Z358-1
ISO 3864-1:2011
ISO 3864-4:2011

Eyewash station
Standard: DIN 12 899

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ISO 3864-1:2011
ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container.

For additional information see subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---------------------------|---------------------------------------|
| V.O.C. (Supply): | 24,91 % weight |
| V.O.C. density at 20°C: | 233,25 kg/m ³ (233,25 g/L) |
| Average carbon number: | 10 |
| Average molecular weight: | 146 g/mol |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

| | |
|-------------------------|------------------|
| Physical state at 20°C: | Liquid |
| Appearance: | Viscous |
| Colour: | Amber |
| Odour: | Characteristic |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 170°C |
| Vapour pressure at 20°C: | 199 Pa |
| Vapour pressure at 50°C: | 1805,71 Pa (1,81 kPa) |
| Evaporation rate at 20°C: | Non-applicable * |

Product description:

| | |
|---|-----------------------------|
| Density at 20°C: | ca. 936,2 kg/m ³ |
| Relative density at 20°C: | 0,936 |
| Dynamic viscosity at 20°C: | 5,97 cP |
| Kinematic viscosity at 20°C: | 6,37 mm ² /s |
| Kinematic viscosity at 40°C: | >30 mm ² /s |
| Concentration: | Non-applicable * |
| pH: | Non-applicable * |
| Vapour density at 20°C: | Non-applicable * |
| Partition coefficient n-octanol/water 20°C: | Non-applicable * |
| Solubility in water at 20°C: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |

Flammability:

| | |
|----------------------------|------------------|
| Flash Point: | 39°C |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 270°C |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

Particle characteristics:

| | |
|-----------------------------|----------------|
| Median equivalent diameter: | Non-applicable |
|-----------------------------|----------------|

9.2 Other information:

Information with regard to physical hazard classes:

| | |
|-----------------------|------------------|
| Explosive properties: | Non-applicable * |
|-----------------------|------------------|

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Oxidising properties: Non-applicable *
Corrosive to metals: Non-applicable *
Heat of combustion: Non-applicable *
Aerosols-total % (by mass) of flammable components: Non-applicable *

Other safety characteristics:

Surface tension at 20°C: Non-applicable *
Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: Stability and reactivity**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical Stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Potential Hazardous Reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to Avoid:

Applicable for handling and storage at room temperature:

| | | | | |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

10.5 Chemically Interacting Materials:

| | | | | |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Acids | Water | Oxidising materials | Combustible materials | Others |
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous Decomposition Products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products.

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: Toxicological information**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available. Contains glycols.

It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Ingestion (acute effect):**Acute toxicity :**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption.

For more information see section 3.

Corrosivity/Irritability:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption.

For more information see section 3.

Inhalation (acute effect):**Acute toxicity :**

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Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption.

For more information see section 3.

Corrosivity/Irritability:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption.

For more information see section 3.

Contact with the skin and the eyes (acute effect):

Contact with the skin:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption.

For more information see section 3.

Contact with the eyes:

Based on available data, the classification criteria are not met.

However, it does contain substances classified as hazardous for this effect.

For more information see section 3.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

Carcinogenicity:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned.

For more information see section 3.

IARC:

Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclics, <2% aromatics (3); Cobalt bis(2-ethylhexanoate) (2B)

Mutagenicity:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect.

For more information see section 3.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

However, it does contain substances classified as hazardous for this effect.

For more information see section 3.

Sensitizing effects:

Respiratory:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects.

For more information see section 3.

Skin:

Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

Specific target organ toxicity (STOT)-repeated exposure:

Specific target organ toxicity (STOT)-repeated exposure:

Based on available data, the classification criteria are not met.

However, it does contain substances which are classified as dangerous due to repetitive exposure.

For more information see section 3.

Skin:

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard:

Based on available data, the classification criteria are not met.

However, it does contain substances classified as hazardous for this effect.

For more information see section 3.

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Other information:

Non-applicable.

Specific toxicology information on the substances:

| Identification | Acute Toxicity | | Genus |
|---|-----------------|----------------|--------|
| Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: 64742-48-9 EC: 919-857-5 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 9510 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|----------------------|---------------------|------------|
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | LC50 | >0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | >0.1 - 1 mg/L (48 h) | | Crustacean |
| | EC50 | >0.1 - 1 mg/L (72 h) | | Algae |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | LC50 | 10000 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 1919 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Non-applicable | | |

Chronic toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|----------------|---------------------|------------|
| Cobalt bis(2-ethylhexanoate) CAS: 136-52-7 EC: 205-250-6 | NOEC | 0,21 mg/L | Pimephales promelas | Fish |
| | NOEC | 0,1697 mg/L | Aeolosoma sp. | Crustacean |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | NOEC | Non-applicable | | |
| | NOEC | 0,5 mg/L | Daphnia magna | Crustacean |

12.2. Persistence and degradability

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|---|---------------|----------------|------------------|----------------|
| Hydrocarbons, C9-C11,n-alkanes, iso-alkanes, cyclics, <2% aromatics CAS: 64742-48-9 EC: 919-857-5 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 80 % |
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | 0 g O2/g | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 73 % |

12.3 Bioaccumulation:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|---|---------------------------|-------|
| Dipropylene Glycol Methyl Ether CAS: 34590-94-8 EC: 252-104-2 | BCF | 1 |
| | Log Pow | -0.06 |
| | Potential | Low |

12.4 Mobility in Soil:

Not available.

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria.

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties:

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The product fails to meet the criteria.

12.7 Other adverse effects:

Not described.

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Dangerous |

Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue.

Waste should not be disposed of to drains.

See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: Information relating to carriage

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

| | |
|---|----------------|
| 14.1 UN number or ID number: | UN1263 |
| 14.2 UN proper shipping name: | PAINT |
| 14.3 Transport hazard class(es): | 3 |
| Labels: | 3 |
| 14.4 Packing group: | III |
| 14.5 Environmental hazards: | No |
| 14.6 Special precautions for user | |
| Special regulations: | 163, 367, 650 |
| Tunnel restriction code: | D/E |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 L |
| 14.7 Maritime transport in bulk according to IMO instruments: | Non-applicable |

Transport of dangerous goods by sea:

With regard to IMDG 40-20:

| | |
|-----------------------------------|--------------------|
| 14.1 UN number or ID number: | UN1263 |
| 14.2 UN proper shipping name: | PAINT |
| 14.3 Transport hazard class(es): | 3 |
| Labels: | 3 |
| 14.4 Packing group: | III |
| 14.5 Marine pollutant: | No |
| 14.6 Special precautions for user | |
| Special regulations: | 223, 955, 163, 367 |
| EmS Codes: | F-E, S-E |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 L |

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Segregation group: Non-applicable

14.7 Maritime transport in bulk according to IMO instruments:
Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:

14.1 UN number or ID number: UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3
Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No
14.6 Special precautions for user
Physico-Chemical properties: see section 9
14.7 Maritime transport in bulk according to IMO instruments:
Non-applicable

SECTION 15: Legally required information

15.1 Safety, health and environmental regulations and legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH):

Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date:

Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer:

Non-applicable

Article 95, REGULATION (EU) No 528/2012:

Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products:

Non-applicable

Seveso III:

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c | FLAMMABLE LIQUIDS | 5.000 | 50.000 |

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII

REACH,

etc):

Shall not be used in:

- ✓ ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- ✓ tricks and jokes,
- ✓ games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical Safety Assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: Other information

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market.

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This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:
COMMISSION REGULATION (EU) 2020/878.

Texts of the legislative phrases mentioned in section 2:

H336: May cause drowsiness or dizziness.

H317: May cause an allergic skin reaction.

H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

CLP Regulation (EC) No 1272/2008:

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Repr. 1B: H360 - May damage fertility or the unborn child.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

STOT SE 3: Calculation method

Skin Sens. 1A: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer